

Setseal A90

High performance, multipurpose acrylic resin based concrete curing compound



DESCRIPTION

Setseal A90 is a single component, high solids acrylic resin based curing compound designed to impregnate concrete surfaces combining the benefits of a curing compound, hardener and sealer.

Setseal A90 is designed to overcome drawbacks of many commonly used curing membranes that tend to provide a limited service life following the curing period of new concrete.

It is designed to retain sufficient moisture to ensure full hydration of the cement providing more than 90% curing efficiency, it has good abrasion resistance and it is compatible with several types of coatings.

APPLICATIONS

Setseal A90 is mainly used for newly cast concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement. Typical application areas include:

- » High rise construction to eliminate water curing.
- » Runways and roads.
- » Roof decks.
- » Retaining walls.
- » Irrigation canals.
- » General floor slab and columns.
- » All Cement based coloured plasters.

ADVANTAGES

- » Recoatable.
- » Easy application, single component.
- » Enhanced concrete durability.
- » Increase the surface abrasion resistance by 60%.
- » UV resistance.
- » Helps achieve concrete desired strengths.
- » Minimizes potential surface cracking and shrinkage.
- » Promotes a harder dust free surface.
- » Can be spray applied to reduce labor cost.

TECHNICAL PROPERTIES:

Colour:	Available in various colours
Density:	0.95 ± 0.05 g/ml
Curing efficiency: BS 7542	≥ 90% when applied at rate of 5 m ² per litre
Water retention: ASTM C156	Pass

OVERCOATING

Setseal A90 can be over coated with the following:

- » Acrylic paints.
- » Some epoxy based coatings that are not dependable on penetration for surface bond.
- » Bituminous emulsion paints.

Note: consult DCP's Technical Department to check if a certain epoxy coating from DCP can be applied over Setseal A90.

STANDARDS

Setseal A90 complies with ASTM C309 as Type I and II, Class A and B and will give 90% or more curing efficiency according to BS 7542:1992.

METHOD OF USE

Setseal A90 should be spray applied as soon as possible to the fresh concrete, provided that the surface water has evaporated. Do not apply if bleed water is forming, or is present on the concrete surface.

Stir Setseal A90 well before use to ensure even pigment dispersion. Setseal A90 should be spray applied, the spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray.



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The applied film should be protected from rain for at least 3 hours; care should be taken to ensure that the film is not broken.

In case of formed concrete, Setseal A90 should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of Setseal A90.

REMARKS

- » Application should not be undertaken if the temperature is below 5°C.
- » Application should not be carried out, when there is standing or running water.
- » Setseal A90 can be applied on dry and old mineral substrates as a sealer and protective abrasion resistance coat. Doing this will result in deepening the substrate colour with semi-gloss finish.
- » Water based curing compounds are also available from DCP.

CLEANING

All tools should be cleaned immediately using DCP Solvent. Hardened material must be cleaned mechanically.

PACKAGING

Setseal A90 is available in 5, 25 and 200 litre drums.

COVERAGE

The recommended coverage rate is 5 - 7.5 m² per litre.

STORAGE

Store in dry area out of direct sunlight at temperatures between 5°C and 35°C.

SHELF LIFE

Setseal A90 has a shelf life of 12 months from date of manufacture if stored in proper conditions in un-opened drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Setseal A90 should not come into contact with skin or eyes. In case of accidental splashes to the eyes, rinse with clean water and seek medical advice. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

FIRE

Setseal A90 and DCP Solvent are flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash point:
DCP Solvent: 37°C.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.